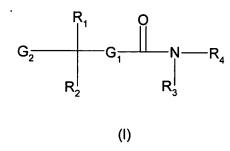
Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application.

Listing of the Claims:

1. (Previously Presented) A compound of Formula (I):



wherein

 G_1 is $(CH_2)_k$, where k is 0 to 3;

G₂ is

- a) hydrogen
- b) C₁₋₆ alkyl;
- c) -aryl;
- d) -C₁₋₆ alkylaryl;
- e)

where R_5 and R_6 are independently selected from the group consisting of

- i) -H;
- ii) -C₁₋₆ alkyl;

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 3 of 45

- iii) –aryl;
- iv) -C₁₋₆ alkylaryl;
- v) -C(O)-O-C₁₋₆ alkyl;
- vi) -C(O)-O-C₁₋₆ alkylaryl;
- vii) -C(O)-O-C₁₋₆ alkylcycloalkylaryl;
- viii) -C(O)-NH-C₁₋₆ alkyl;
- ix) $-C(O)-NH-C_{1-6}$ alkylaryl;
- x) $-SO_2-C_{1-6}$ alkyl;
- xi) -SO₂-C₁₋₆ alkylaryl;
- xii) -SO₂-aryl;
- xiii) -SO₂-NH-C₁₋₆ alkyl;
- xiv) -SO₂-NH-C₁₋₆ alkylaryl;

- xvi) -C(O)-C₁₋₆ alkyl; and
- xvii) -C(O)-C₁₋₆ alkylaryl; or
- f) a group of the formula

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 4 of 45

wherein

 $R_{9,}\,R_{10},$ and R_{11} are independently selected from the group consisting of

- i) -hydrogen;
- ii) -C₁₋₆ alkyl;
- iii) -aryl;
- iv) -C₁₋₆ alkylaryl;
- v) -C(O)-O-C₁₋₆ alkyl;
- vi) -C(O)-O-C₁₋₆ alkylaryl;
- vii) -C(O)-NH-C₁₋₆ alkyl;
- viii) -C(O)-NH-C₁₋₆ alkylaryl;
- ix) $-SO_2-C_{1-6}$ alkyl;
- x) -SO₂-C₁₋₆ alkylaryl;
- xi) -SO₂-aryl;
- xii) -SO₂-NH-C₁₋₆ alkyl;
- xiii) -SO₂-NH-C₁₋₆ alkylaryl;
- xiv) $-C(O)-C_{1-6}$ alkyl; and
- xv) $-C(O)-C_{1-6}$ alkylaryl; or

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 5 of 45

 R_{10} and R_{11} are taken together to constitute a fused cycloalkyl, fused heterocyclyl, or fused aryl ring containing the atoms to which R_{10} and R_{11} are bonded;

R₁ is

- a) hydrogen;
- b) -C₁₋₆ alkyl;
- c) -aryl; or
- d) -C₁₋₆ alkylaryl;

R₂ is

- a) -C₁₋₆ alkyl;
- b) -aryl;
- c) -C₁₋₆ alkylaryl; or
- d) a group of the formula

$$Q_1$$
 $(CH_2)n$ $(CH_2)m$

wherein m and n are independently selected from 1, 2, 3, or 4; X is a direct bond, CH_2 -, -O-, -S-, -S(O₂)-, -C(O)-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO₂-, -SO₂N(H)-, -C(O)-O-, -O-C(O)-, -NHSO₂NH-,

Express Mail Cert. No. EV 507590040 US
Office Action Response
Serial No. 10/091,759
Page 6 of 45

-Q₁- is C_{1-6} alkylene, C_{2-6} alkenylene, or C_{2-6} alkynylene;

R₃ is

- a) hydrogen;
- b) -C₁₋₆ alkyl;
- c) -C₁₋₆ alkylaryl; or
- d) -C₁₋₆ alkoxyaryl;

R₄ is

a)
$$-C_{1}-C_{6}-alkyl-NR_{14}R_{15}$$

b)
$$-C_{1}-C_{6}-\text{alkyl}-O-\text{ }C_{1}-C_{6}-\text{alkyl-NR}_{14}R_{15}$$
 ; or

c)
$$L-C_1-C_6^{\bullet}$$
-alkyl-NR₁₄R₁₅

wherein L is -CH₂-, -O-, -N(H)-, -S-, SO₂-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO₂-, -SO₂N(H)-, -C(O)-O-, -NHSO₂NH-, -O-CO-,

Express Mail Cert. No. EV 507590040 US
Office Action Response
Serial No. 10/091,759
Page 7 of 45

 R_{36} and R_{37} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkylaryl, C_1 - C_6 alkoxy, and C_1 - C_6 alkoxyaryl

 R_{12} and R_{13} are independently selected from the group consisting of hydrogen, C_1 - C_6 alkyl, C_1 - C_6 alkylaryl, and aryl;

 R_{40} and R_{41} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, and C_1 - C_6 alkylaryl; and

wherein

the aryl and/or alkyl group(s) in R_1 , R_2 , R_3 , R_4 , R_5 , R_6 , R_7 , R_8 , R_9 , R_{10} , R_{11} , R_{12} , and R_{13} may be optionally substituted 1-4 times with a substituent group, wherein said substituent group(s) or the term substituted refers to groups:

- a) -H;
- b) $-Y-C_{1-6}$ alkyl;
 - -Y-aryl;
 - -Y-C-1-6 alkylaryl;
 - -Y-C₁₋₆-alkyl-NR₁₄R₁₅;
 - -Y-C₁₋₆-alkyl-W-R₁₆;

wherein Y and W are independently selected from the group consisting of -CH₂-, -O-, -N(H), -S-, SO₂-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO₂-, -SO₂N(H)-, -C(O)-O-, -NHSO₂NH-, -O-CO-,

 R_{16} , R_{17} and R_{18} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkylaryl, C_1 - C_6 alkoxy, and C_1 - C_6 alkoxyaryl; and

c) halogen, hydroxyl, cyano, carbamoyl, and carboxyl; and

 R_{14} and R_{15} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, and C_1 - C_6 alkylaryl; or

 R_{14} and R_{15} are taken together to form a ring having the formula $-(CH_2)_o$ -Z- $(CH_2)_p$ - bonded to the nitrogen atom to which R_{14} and R_{15} are attached, wherein o and p are, independently, 1, 2,

3, or 4; Z is a direct bond, $-CH_2$ -, -O-, -S-, $-S(O_2)$ -, -C(O)-, -CON(H)-, -NHC(O)-, -NHCON(H)-, $-NHSO_2$ -, $-SO_2N(H)$ -, -C(O)-O-, -O-C(O)-, $-NHSO_2NH$ -,

 R_{19} and R_{20} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, and C_1 - C_6 alkylaryl.

2. (Withdrawn) The compound of claim 1, represented by Formula (Ia)

$$R_{22}$$
 R_{23}
 R_{24}
 R_{24}

wherein G₁ comprises a direct bond;

$$R_6 \longrightarrow N \longrightarrow \frac{R_5}{N}$$

G₂ comprises

R₁ comprises H;

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 10 of 45

() comprises a $-CH_2$ - group or a direct covalent bond, and x and w are independently equal to 0 to 2, with the proviso that x and w can not both be equal to 0;

R₃ comprises

- a) hydrogen;
- b) -C₁₋₆ alkyl;
- c) -C₁₋₆ alkylaryl; or
- d) -C₁₋₆ alkoxyaryl;

R₄ comprises

- a) -C₁₋₆ alkylaryl;
- b) -C₁₋₆ alkoxyaryl; or
- c) -aryl;

R₆ comprises

- a) -H;
- b) -C₁₋₆ alkyl;
- c) -aryl;
- d) -C₁₋₆ alkylaryl; or
- e) a group selected from $-C(O)R_{25}$, $-C(O)OR_{25}$, $-C(O)NR_{26}R_{25}$, $-S(O)_2R_{25}$, and $-S(O)_2NR_{26}R_{25}$; wherein R_{25} and R_{26} independently comprise $-C_{1-6}$ alkyl, aryl, or $-C_{1-6}$ alkylaryl;

R₅ and R₂ are taken together to form a ring of structure

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 11 of 45

$$R_{23}$$
 R_{24} $()w$

wherein R₂₁, R₂₂, R₂₃ and R₂₄ independently comprise

- i) -H:
- ii) -C₁₋₆ alkyl;
- iii) -aryl;
- iv) -C₁₋₆ alkylaryl; or
- v) a group of the formula $-U-R_{27}$, wherein U comprises -C(O)-, -C(O)O-, -O-, -S-, -S(O)-, $-S(O)_2-$, or $-NR_{28}-$,

wherein R₂₇ and R₂₈ independently comprise -H, -aryl, -C₁₋₆ alkyl, or -C₁₋₆ alkylaryl;

the aryl and/or alkyl group(s) in R_3 , R_4 , and R_6 may be optionally substituted 1-4 times with a substituent group, wherein said substituent group(s) or the term substituted refers to groups comprising:

- a) -H;
- b) -Y-C₁₋₆ alkyl;
 - -Y-arvl:
 - -Y-C-1-6 alkylaryl;
 - -Y-C₁₋₆-alkyl-NR₁₄R₁₅;
 - -Y-C₁₋₆-alkyl-W-R₁₆;

wherein Y and W independently comprise -CH₂-, -O-, -N(H), -S-, SO_2 -, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO₂-, - $SO_2N(H)$ -, -C(O)-O-, -NHSO₂NH-, -O-CO-.

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 12 of 45

$$R_{17}$$
 R_{17} R_{17} R_{17} R_{18} R_{18} R_{18}

 R_{16} , R_{17} , and R_{18} independently comprise hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, or C_1 - C_6 alkoxyaryl; or

c) halogen, hydroxyl, cyano, carbamoyl, or carboxyl; and

R₁₄ and R₁₅ independently comprise hydrogen, aryl, C₁-C₆ alkyl, and C₁-C₆ alkylaryl; or wherein

 R_{14} and R_{15} may be taken together to form a ring having the formula $-(CH_2)_o$ -Z- $(CH_2)_p$ - bonded to the nitrogen atom to which R_{14} and R_{15} are attached, wherein o and p are, independently, 1, 2, 3, or 4; Z comprises a direct bond, $-CH_2$ -, -O-, -S-, $-S(O_2)$ -, -C(O)-, -CON(H)-, -NHC(O)-, -NHC(O)-, -NHC(O)-, $-NHSO_2$ -, $-SO_2N(H)$ -, -C(O)-O-, -O-C(O)-, $-NHSO_2NH$ -,

 R_{19} and R_{20} comprise hydrogen, aryl, C_1 - C_6 alkyl, or C_1 - C_6 alkylaryl.

3. (Withdrawn) The compound of claim 1, represented by Formula (lb)

$$\begin{array}{c|c}
R_{30} & R6 \\
\hline
R_{29} & ()y & O \\
\hline
R_{29} & R_{3}
\end{array}$$
(Ib)

wherein,

G₁ comprises a direct bond;

G₂ comprises

R₁ comprises H;

() comprises a -CH₂- group or a direct covalent bond, and y and z are, independently,an integer of from 0 to 3;

R₃ comprises

- a) hydrogen;
- b) -C₁₋₆ alkyl;
- c) -C₁₋₆ alkylaryl; or
- d) -C₁₋₆ alkoxyaryl;

R₄ comprises

- a) -C₁₋₆ alkylaryl;
- b) -C₁₋₆ alkoxyaryl; or
- c) -aryl;

R₆ comprises

- a) -H;
- b) -C₁₋₆ alkyl;

- c) -aryl;
- d) -C₁₋₆ alkylaryl; or
- e) a group selected from $-C(O)R_{25}$, $-C(O)OR_{25}$, $-C(O)NR_{26}R_{25}$, $-S(O)_2R_{25}$, and $-S(O)_2NR_{26}R_{25}$; wherein R_{25} and R_{26} independently comprise $-C_{1-6}$ alkyl, aryl, or $-C_{1-6}$ alkylaryl;

the aryl and/or alkyl group(s) in R_3 , R_4 , and R_6 may be optionally substituted 1-4 times with a substituent group, wherein said substituent group(s) or the term substituted refers to groups comprising:

- a) -H;
- b) -Y-C₁₋₆ alkyl;
 - -Y-aryl;
 - -Y-C-1-6 alkylaryl;
 - -Y-C₁₋₆-alkyl-NR₁₄R₁₅;
 - -Y-C₁₋₆-alkyl-W-R₁₆;

wherein Y and W independently comprise -CH₂-, -O-, -N(H), -S-, SO₂-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO₂-, -SO₂N(H)-, -C(O)-O-, -NHSO₂NH-, -O-CO-,

 R_{16} , R_{17} , and R_{18} comprise hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, or C_1 - C_6 alkoxyaryl; or

c) halogen, hydroxyl, cyano, carbamoyl, or carboxyl; and

R₁₄ and R₁₅ independently comprise hydrogen, aryl, C₁-C₆ alkyl, or C₁-C₆ alkylaryl; and wherein

 R_{14} and R_{15} may be taken together to form a ring having the formula $-(CH_2)_o$ -Z- $(CH_2)_p$ - bonded to the nitrogen atom to which R_{14} and R_{15} are attached, wherein o and p are, independently, 1, 2, 3, or 4; Z comprises a direct bond, $-CH_2$ -, -O-, -S-, $-S(O_2)$ -, -C(O)-, -CON(H)-, -NHC(O)-, -NHCON(H)-, $-NHSO_2$ -, $-SO_2N(H)$ -, -C(O)-O-, -O-C(O)-, $-NHSO_2NH$ -,

R₁₉ and R₂₀ comprise hydrogen, aryl, C₁-C₆ alkyl, or C₁-C₆ alkylaryl;

R₅ and R₂ are taken together to form a ring of structure

wherein R₂₉ and R₃₀ independently comprise

- a) -H
- b) -C₁₋₆ alkyl;
- c) -aryl;
- d) -C₁₋₆ alkylaryl;
- e) -C(O)-O-C₁₋₆ alkyl;
- f) $-C(O)-O-C_{1-6}$ alkylaryl;
- g) -C(O)-NH-C₁₋₆ alkyl;
- h) -C(O)-NH-C₁₋₆ alkylaryl;

```
i) -SO<sub>2</sub>-C<sub>1-6</sub> alkyl;
j) -SO<sub>2</sub>-C<sub>1-6</sub> alkylaryl;
k) -SO<sub>2</sub>-aryl;
l) -SO<sub>2</sub>-NH-C<sub>1-6</sub> alkyl;
m) -SO<sub>2</sub>-NH-C<sub>1-6</sub> alkylaryl;
n) -C(O)-C<sub>1-6</sub> alkyl;
o) -C(O)-C_{1-6} alkylaryl; or
p) a group of the formula -V-R<sub>31</sub>,
     wherein V comprises a group of the formula -C(O), -OC(O)-, -O-, -S-, -S(O)-,
-S(O_2)-, -NH-, or -N(R<sub>32</sub>)-;
     wherein R<sub>31</sub> and R<sub>32</sub> comprise
           i)
                       -H
                      -C<sub>1-6</sub> alkyl;
           ii)
           iii)
                      -aryl;
                      -C<sub>1-6</sub> alkylaryl;
           iv)
                      -C(O)-O-C<sub>1-6</sub> alkyl;
           V)
                      -C(O)-O-C<sub>1-6</sub> alkylaryl;
           vi)
           vii)
                      -C(O)-NH-C<sub>1-6</sub> alkyl;-C(O)-NH-C<sub>1-6</sub> alkylaryl;
                      -SO<sub>2</sub>-C<sub>1-6</sub> alkyl;
           viii)
                      -SO<sub>2</sub>-C<sub>1-6</sub> alkylaryl;
           ix)
```

wherein R_{29} , R_{30} , R_{31} , and R_{32} may be optionally substituted 1-4 times with a substituent group, wherein said substituent group(s) or the term substituted refers to groups comprising:

x)

xi) xii)

xiii)

xiv)

-SO₂-aryl;

-SO₂-NH-C₁₋₆ alkyl;

-C(O)-C₁₋₆ alkyl; or

-C(O)-C₁₋₆ alkylaryl;

-SO₂-NH-C₁₋₆ alkylaryl;

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 17 of 45

- b) -L-C₁₋₆ alkyl;
 - -L-aryl;
 - -L-C-1-6 alkylaryl;
 - -L-C₁₋₆-alkyl-NR₃₃R₃₄;
 - -L-C₁₋₆ alkyl-Q₂-R₃₅;

wherein L and Q_2 independently comprise -CH₂-, -O-, -N(H), -S-, SO₂-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO₂-, -SO₂N(H)-, -C(O)-O-, -NHSO₂NH-, -O-CO-,

 R_{35} , R_{36} , and R_{37} comprise hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, or C_1 - C_6 alkoxyaryl; or

c) halogen, hydroxyl, cyano, carbamoyl, or carboxyl; and

 R_{33} and R_{34} independently comprise hydrogen, aryl, $\mathsf{C}_1\text{-}\mathsf{C}_6$ alkyl, or $\mathsf{C}_1\text{-}\mathsf{C}_6$ alkylaryl; and wherein

 R_{33} and R_{34} may be taken together to form a ring having the formula $-(CH_2)_e$ -J- $(CH_2)_k$ - bonded to the nitrogen atom to which R_{33} and R_{34} are attached, wherein e and k are, independently, 1, 2, 3, or 4; J comprises a direct bond, $-CH_2$ -, -O-, -S-, $-S(O_2)$ -, -C(O)-, -CON(H)-, -NHC(O)-, -NHCON(H)-, $-NHSO_2$ -, $-SO_2N(H)$ -, -C(O)-O-, -O-C(O)-, $-NHSO_2NH$ -,

 R_{38} and R_{39} comprises hydrogen, aryl, C_1 - C_6 alkyl, or C_1 - C_6 alkylaryl.

4. (Withdrawn) The compound of claim 1, represented by Formula (Ic):

$$G_{2} \xrightarrow{R_{1}} G_{1} \xrightarrow{N-R_{4}} R_{2}$$

$$(Ic)$$

wherein,

R₁ comprises hydrogen, or C₁₋₃ alkylaryl wherein the aryl is substituted with -Y-C₋₁₋₆ alkylaryl;

R₂ comprises C₁₋₃ alkylaryl wherein the aryl is substituted with -Y-C-₁₋₆ alkylaryl,

wherein Y comprises $-CH_2$ -, -O-, -N(H), -S-, SO_2 -, -CON(H)-, -NHC(O)-, $-NHSO_2$ -, $-SO_2N(H)$ -, -C(O)-O-, $-NHSO_2NH$ -, -O-CO-,

 R_{17} and R_{18} independently comprises hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, or C_1 - C_6 alkoxyaryl.

5. (Withdrawn) The compound of claim 1, represented by Formula (Id):

$$G_{2} \xrightarrow{R_{1}} G_{1} \xrightarrow{N} R_{4}$$

$$(Id)$$

wherein,

R₁ comprises hydrogen, or C₁₋₃ alkylaryl wherein the aryl is substituted with -Y-C-₁₋₆ alkylaryl;

R₂ comprises C₁₋₃ alkylaryl wherein the aryl is substituted with -Y-C-₁₋₆ alkylaryl;

wherein Y comprises $-CH_{2^-}$, $-O_-$, -N(H), $-S_-$, SO_{2^-} , $-CON(H)_-$, $-NHC(O)_-$, $-NHSO_2$, $-SO_2N(H)_-$, $-C(O)_-O_-$, $-NHSO_2NH_-$, $-O_-CO_-$,

$$R_{17}$$
 R_{17} R_{17} R_{17} R_{17} R_{18} R_{18} R_{18}

 R_{17} , and R_{18} independently comprises hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, or C_1 - C_6 alkoxyaryl;

R₃ comprises hydrogen or -L-C₁₋₆-alkyl-N(alkyl)₂;

R₄ comprises –L-C₁₋₆-alkyl-N(alkyl)₂;

wherein L comprises -CH₂-, -O-, -N(H)-, -S-, SO₂-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO₂-, -SO₂N(H)-, -C(O)-O-, -NHSO₂NH-, -O-CO-,

 R_{35} , R_{36} , and R_{37} independently comprise hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, or C_1 - C_6 alkoxyaryl.

6. (Withdrawn) The compound of claim 1, represented by Formula (le):

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 20 of 45

$$G_{2} \xrightarrow{R_{1}} N - R_{4}$$

$$R_{2} R_{3}$$
(le)

wherein,

G₁ comprises a direct bond;

G₂ comprises a group of the formula

wherein

R₉, R₁₀, and R₁₁ may be hydrogen; or

R₉, R₁₀, and R₁₁ independently comprise

- i) -C₁₋₆ alkyl;
- ii) -aryl;
- iii) -C₁₋₆ alkylaryl;
- iv) -C(O)-O-C₁₋₆ alkyl;
- v) -C(O)-O-C₁₋₆ alkylaryl;
- vi) -C(O)-NH-C₁₋₆ alkyl;

- vii) -C(O)-NH-C₁₋₆ alkylaryl;
- viii) -SO₂-C₁₋₆ alkyl;
- ix) -SO₂-C₁₋₆ alkylaryl;
- x) -SO₂-aryl;
- xi) $-SO_2$ -NH-C₁₋₆ alkyl;
- xii) -SO₂-NH-C₁₋₆ alkylaryl;
- xiii) -C(O)-C₁₋₆ alkyl; or
- xiv) -C(O)-C₁₋₆ alkylaryl; or

 R_{10} and R_{11} may be taken together to constitute a fused cycloalkyl, fused heterocyclyl, or fused aryl ring containing the atoms to which R_{10} and R_{11} are bonded;

R₁ comprises H;

R₂ comprises

- a) -C₁₋₆ alkyl;
- b) -aryl; or
- c) -C₁₋₆ alkylaryl;

R₃ comprises

- a) hydrogen;
- b) -C₁₋₆ alkyl;
- c) -C₁₋₆ alkylaryl; or
- d) -C₁₋₆ alkoxyaryl;

R₄ comprises

- a) -C₁₋₆ alkylaryl;
- b) -C₁₋₆ alkoxyaryl; or
- c) -aryl;

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 22 of 45

the aryl and/or alkyl group(s) in R_2 , R_3 , R_4 , R_9 , R_{10} , R_{11} may be optionally substituted 1-4 times with a substituent group, wherein said substituent group(s) or the term substituted refers to groups comprising:

- a) -H;
- b) $-Y-C_{1-6}$ alkyl;
 - -Y-aryl;
 - -Y-C-1-6 alkylaryl;
 - -Y-C₁₋₆-alkyl-NR₁₄R₁₅;
 - -Y-C₁₋₆-alkyl-W-R₁₆;

wherein Y and W independently comprise -CH₂-, -O-, -N(H), -S-, SO₂-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO₂-, -SO₂N(H)-, -C(O)-O-, -NHSO₂NH-, -O-CO-,

$$R_{17}$$
 R_{17} R_{17} R_{17} R_{18} R_{18} R_{18} R_{18}

 R_{16} , R_{17} , and R_{18} comprise hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, or C_1 - C_6 alkoxyaryl; or

c) halogen, hydroxyl, cyano, carbamoyl, or carboxyl; and

R₁₄ and R₁₅ independently comprise hydrogen, aryl, C₁-C₆ alkyl, or C₁-C₆ alkylaryl; and wherein

 R_{14} and R_{15} may be taken together to form a ring having the formula $-(CH_2)_0$ -Z- $(CH_2)_p$ - bonded to the nitrogen atom to which R_{14} and R_{15} are attached, wherein o and p are, independently, 1, 2, 3, or 4; Z comprises a direct bond, $-CH_2$ -, -O-, -S-, $-S(O_2)$ -, -C(O)-, -CON(H)-, -NHC(O)-, -NH

R₁₉ and R₂₀ independently comprise hydrogen, aryl, C₁-C₆ alkyl, or C₁-C₆ alkylaryl;

7. (Withdrawn) The compound of claim 1, represented by Formula (If):

$$G_{2} \xrightarrow{R_{1}} N - R_{4}$$

$$R_{2} \qquad R_{3}$$
(If)

wherein,

G₁ comprises a direct bond;

G₂ comprises

R₁ comprises H;

R₂ comprises a group of the formula

$$Q_1$$
 $(CH_2)n$ X $(CH_2)m$

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 24 of 45

wherein m and n are independently selected from 1, 2, 3, or 4; X comprises a direct bond, CH_2 -, -O-, -S-, -S(O₂)-, -C(O)-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO₂-, -SO₂N(H)-, -C(O)-O-, -O-C(O)-, -NHSO₂NH-,

-Q₁- comprises C₁₋₆ alkylene, C₂₋₆ alkenylene, or C₂₋₆ alkynylene;

 R_{12} and R_{13} independently comprises hydrogen, C_1 - C_6 alkyl, C_1 - C_6 alkylaryl, or aryl; and wherein

R₃ comprises

- a) hydrogen;
- b) -C₁₋₆ alkyl;
- c) -C₁₋₆ alkylaryl; or
- d) -C₁₋₆ alkoxyaryl;

R₄ comprises

- a) -C₁₋₆ alkylaryl;
- b) -C₁₋₆ alkoxyaryl; or
- c) -aryl;

R₅ and R₆ independently comprise

a) -H;

- b) -C₁₋₆ alkyl;
- c) -aryl;
- d) -C₁₋₆ alkylaryl; or
- e) a group selected from $-C(O)R_{25}$, $-C(O)OR_{25}$, $-C(O)NR_{26}R_{25}$, $-S(O)_2R_{25}$, and $-S(O)_2NR_{26}R_{25}$; wherein R_{25} and R_{26} independently comprise $-C_{1-6}$ alkyl, aryl, and $-C_{1-6}$ alkylaryl;

the aryl and/or alkyl group(s) in R_3 , R_4 , R_5 , R_6 , R_{12} , and R_{13} may be optionally substituted 1-4 times with a substituent group, wherein said substituent group(s) or the term substituted refers to groups comprising:

- a) -H;
- b) $-Y-C_{1-6}$ alkyl;
 - -Y-arvl:
 - -Y-C-1-6 alkylaryl;
 - -Y-C₁₋₆-alkyl-NR₁₄R₁₅;
 - -Y-C₁₋₆-alkyl-W-R₁₆;

wherein Y and W independently comprise -CH₂-, -O-, -N(H), -S-, SO₂-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO₂-, -SO₂N(H)-, -C(O)-O-, -NHSO₂NH-, -O-CO-,

$$R_{17}$$
 R_{17} R_{17} R_{17} R_{18} R_{18} R_{18} R_{18} R_{18}

 R_{16} , R_{17} , and R_{18} independently comprise hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkoxy, or C_1 - C_6 alkoxyaryl; or

c) halogen, hydroxyl, cyano, carbamoyl, or carboxyl; and

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 26 of 45

R₁₄ and R₁₅ independently comprises hydrogen, aryl, C₁-C₆ alkyl, or C₁-C₆ alkylaryl; and wherein

R₁₉ and R₂₀ independently comprise hydrogen, aryl, C₁-C₆ alkyl, or C₁-C₆ alkylaryl.

- 8. Canceled.
- 9. Canceled.
- 10. Canceled.
- 11. (Withdrawn) The compound of claim 1, wherein the compound comprises 3-(4-Benzyloxyphenyl)propionic Acid 2,4-Di-(3-Diethylamino-1-propoxy)aniline Amide.
- 12. (Previously Presented) The compound of claim 61, wherein the compound comprises 3-(3-Tert-butoxyphenyl)-3-(9-fluorenylmethoxycarbonylamino)propionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide.

Express Mail Cert. No. EV 507590040 US
Office Action Response
Serial No. 10/091,759
Page 27 of 45

- 13. (Withdrawn) The compound of claim 62, wherein the compound comprises 3-(3-Tert-butoxyphenyl)-3-aminopropionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide.
- 14. (Withdrawn) The compound of claim 1, wherein the compound comprises 3-(4-Tetrahydropyranyl)-2-aminopropionic Acid 4-Diethylaminoethoxycarbonyl-2-butoxyaniline Amide Dihydrochloride.
- 15. (Withdrawn) The compound of claim 1, wherein the compound comprises (2S, 4R)-4-Tert-Butoxypyrrolidine-2-carboxylic acid 2,4-Di(3-diethylamino-1-propoxy)aniline Amide.
- 16. (Withdrawn) The compound of claim 1, wherein the compound comprises (3S)-1,2,3,4-Tetrahydroisoquinoline-3-carboxylic Acid 4-Diethylaminoethoxycarbonyl-2-butoxyaniline Amide Dihydrochloride.
- 17. (Withdrawn) The compound of claim 1, wherein the compound comprises (R)-3-(4-Benzyloxyphenyl)-2-(1-imidazolyl)propionic Acid 4-Diethylaminoethoxycarbonyl-2-butoxyaniline Amide.
- 18. (Previously Presented) The compound of claim 61, wherein the compound comprises 3-(4-Tert-butoxyphenyl)-3-(9-fluorenylmethoxycarbonylamino)propionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide.
- 19. (Withdrawn) The compound of claim 62, wherein the compound comprises 3-amino-3-(4-tert-butoxyphenyl)propionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide.
- 20. (Previously Presented) The compound of claim 61, wherein the compound comprises 3-(9-fluorenylmethoxycarbonylamino)-3-(2-tert-butoxyphenyl)propionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide.

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 28 of 45

- 21. (Withdrawn) The compound of claim 62, wherein the compound comprises 3-amino-3-(2-tert-butoxyphenyl)propionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide.
- 22. (Withdrawn) The compound of claim 62, wherein the compound comprises 3-lsopropylamino-3-(3-tert-butoxyphenyl)propionic Acid 2,4-Di-(3-diethylaminopropoxy)aniline Amide.
- 23. (Withdrawn) The compound of claim 1, wherein the compound comprises (2R)-2-tert-butoxycarbonylamino-3-[4-(benzyloxy)phenyl]propionic Acid 4-(3-diethylaminopropoxy)-N-benzylaniline Amide.
- 24. (Withdrawn) The compound of claim 1, wherein the compound comprises (2R)-2-tert-butoxycarbonylamino-3-[4-(benzyloxy)phenyl]propionic Acid 4-(3-diethylaminopropoxy)-N-cyclopentylmethylaniline Amide.
- 25. (Withdrawn) The compound of claim 1, wherein the compound comprises (2R)-2-tert-butoxycarbonylamino-3-[4-(benzyloxy)phenyl]propionic Acid 4-(3-diethylaminopropoxy)-N-isopropylaniline Amide.
- 26. (Withdrawn) The compound of claim 1, wherein the compound comprises (2R)-2-amino-3-[4-(benzyloxy)phenyl]propionic Acid 4-(3-diethylaminopropoxy)-N-cyclohexylmethylaniline Amide.
- 27. (Withdrawn) The compound of claim 1, wherein the compound comprises (2R)-2-amino-3-[4-(benzyloxy)phenyl]propionic Acid 4-(3-diethylaminopropoxy)-N-cyclopentylmethylaniline Amide.
- 28. (Original) The compound of claim 1, wherein the compound comprises (2R)-2-tert-butoxycarbonylamino-3-[4-(benzyloxy)phenyl]propionic Acid 4-(3-diethylaminopropoxy)-N-butylaniline Amide.

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 29 of 45

- 29. (Withdrawn) The compound of claim 1, wherein the compound comprises (2R)-2-amino-3-[4-(benzyloxy)phenyl]propionic Acid 4-(3-diethylaminopropoxy)-N- butylaniline Amide.
- 30. (Original) The compound of claim 1, wherein the compound comprises (2R)-2-tert-butoxycarbonylamino-3-[4-(benzyloxy)phenyl]propionic Acid 3-(3-diethylaminopropoxy)-N-butylaniline Amide.
- 31. (Withdrawn) The compound of claim 1, wherein the compound comprises (2R)-2-amino-3-[4-(benzyloxy)phenyl]propionic Acid 3-(3-diethylaminopropoxy)-N- butylaniline Amide.
- 32. (Withdrawn) The compound of claim 1, wherein the compound comprises 3-(1-Tert-butoxycarbonylpiperidin-4-yl)-2-(9-fluorenylmethoxycarbonylamino)propionic Acid 4-Diethylaminopropoxy-2-butoxyaniline Amide.
- 33. (Withdrawn) The compound of claim 1, wherein the compound comprises 3-(Piperidin-4-yl)-2-(9-fluorenylmethoxycarbonylamino)propionic Acid 4-Diethylaminopropoxy-2-butoxyaniline Amide.
- 34. (Withdrawn) The compound of claim 1, wherein the compound comprises 3-(1-Benzylpiperidin-4-yl)-2-(9-fluorenylmethoxycarbonylamino)propionic Acid 4-Diethylaminopropoxy-2-butoxyaniline Amide.
- 35. (Withdrawn) The compound of claim 1, wherein the compound comprises 3-(1-Benzylpiperidin-4-yl)-2-aminopropionic Acid 4-Diethylaminopropoxy-2-butoxyaniline Amide.
- 36. (Withdrawn) The compound of claim 1, wherein the compound comprises 3-(1-Benzyloxycarbonylpiperidin-4-yl)-2-(9-fluorenylmethoxycarbonyamino)propionic Acid 4-Diethylaminopropoxy-2-butoxyaniline Amide.

Express Mail Cert. No. EV 507590040 US
Office Action Response
Serial No. 10/091,759
Page 30 of 45

- 37. (Withdrawn) The compound of claim 1, wherein the compound comprises 3-(1-Benzoylpiperidin-4-yl)-2-(9-fluorenylmethoxycarbonylamino)propionic Acid 4-Diethylaminopropoxy-2-butoxyaniline Amide.
- 38. (Withdrawn) The compound of claim 1, wherein the compound comprises 3-(1-Benzoylpiperidin-4-yl)-2-benzoylaminopropionic Acid 4-Diethylaminopropoxy-2-butoxyaniline Amide.
- 39. (Withdrawn) The compound of claim 1, wherein the compound comprises 3-(Tert-butoxycarbonylpiperidin-3-yl)-2-(9-fluorenylmethoxycarbonylamino)propionic Acid 4-Diethylaminopropoxy-2-butoxyaniline Amide.
- 40. (Withdrawn) The compound of claim 1, wherein the compound comprises 3-(Piperidin-3-yl)-2-(9-fluorenylmethoxycarbonylamino)propionic Acid 4-Diethylaminopropoxy-2-butoxyaniline Amide.
- 41. (Original) A pharmaceutical composition comprising the compound of Formula (I) as claimed in claim 1, and one or more pharmaceutically acceptable carriers, excipients, or diluents.
- 42. (Original) The pharmaceutical composition of claim 41, in the form of an oral dosage or parenteral dosage unit.
- 43. (Original) The pharmaceutical composition of claim 41, wherein said compound is administered as a dose in a range from about 0.01 to 500 mg/kg of body weight per day.
- 44. (Original) The pharmaceutical composition of claim 41, wherein said compound is administered as a dose in a range from about 0.1 to 200 mg/kg of body weight per day.

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 31 of 45

- 45. (Original) The pharmaceutical composition of claim 41, wherein said compound is administered as a dose in a range from about 0.1 to 100 mg/kg of body weight per day.
- 46. (Withdrawn) The pharmaceutical composition of claim 41, further comprising one or more therapeutic agents selected from the group consisting of alkylating agents, antimetabolites, plant alkaloids, antibiotics, hormones, biologic response modifiers, analgesics, NSAIDs, DMARDs, glucocorticoids, sulfonylureas, biguanides, insulin, cholinesterase inhibitors, antipsychotics, antidepressants, and anticonvulsants.
- 47. (Withdrawn) A method for the inhibition of the interaction of RAGE with its physiological ligands, which comprises administering to a subject in need thereof, at least one compound of Formula (I) as claimed in claim 1.
- 48. (Withdrawn) The method of claim 47, wherein the ligand(s) is(are) selected from advanced glycated end products (AGEs), S100/calgranulin/EN-RAGE, β-amyloid and amphoterin.
- 49. (Withdrawn) A method for treating a disease state selected from the group consisting of acute and chronic inflammation, symptoms of diabetes, vascular permeability, nephropathy, atherosclerosis, retinopathy, Alzheimer's disease, erectile dysfunction, and tumor invasion and/or metastasis, which comprises administering to a subject in need thereof a therapeutically effective amount of at least one compound of Formula (I) as claimed in claim 1.
- 50. (Withdrawn) A method of prevention and/or treatment of RAGE mediated human diseases comprising administration to a human in need thereof a therapeutically effective amount of a compound of Formula (I) as claimed in claim 1, wherein a therapeutically effective amount comprises sufficient compound to at least partially inhibit the binding of a ligand to the RAGE receptor.
- 51. (Withdrawn) The method of claim 50, further comprising administering to a subject in need thereof at least one adjuvant and/or additional therapeutic agent(s).

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 32 of 45

- 52. (Withdrawn) A method of claim 51, wherein therapeutic agents selected from the group consisting of alkylating agents, antimetabolites, plant alkaloids, antibiotics, hormones, biologic response modifiers, analgesics, NSAIDs, DMARDs, glucocorticoids, sulfonylureas, biguanides, insulin, cholinesterase inhibitors, antipsychotics, antidepressants, and anticonvulsants.
- 53. (Withdrawn) The method claim 50, wherein the RAGE mediated human disease comprises acute and/or chronic inflammation.
- 54. (Withdrawn) The method claim 50, wherein the RAGE mediated human disease comprising vascular permeability.
- 55. (Withdrawn) The method claim 50, wherein the RAGE mediated human disease comprising ephropathy.
- 56. (Withdrawn) The method claim 50, wherein the RAGE mediated human disease comprises atherosclerosis.
- 57. (Withdrawn) The method claim 50, wherein the RAGE mediated human disease comprising retinopathy.
- 58. (Withdrawn) The method claim 50, wherein the RAGE mediated human disease comprising Alzheimer's disease.
- 59. (Withdrawn) The method claim 50, wherein the RAGE mediated human disease comprises erectile dysfunction.
- 60. (Withdrawn) The method claim 50, wherein the RAGE mediated human disease comprises tumor invasion and/or metastasis.

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 33 of 45

61. (Previously Presented) The compound of claim 1, wherein

G₂ is

wherein

R₅ and R₆ are independently selected from the group consisting of

- i) –H;
- ii) -C₁₋₆ alkyl;
- iii) -aryl;
- iv) -C₁₋₆ alkylaryl;
- v) -C(O)-O-C₁₋₆ alkyl;
- vi) -C(O)-O-C₁₋₆ alkylaryl;
- vii) -C(O)-O-C₁₋₆ alkylcycloalkylaryl;
- viii) -C(O)-NH-C₁₋₆ alkyl;
- ix) -C(O)-NH-C₁₋₆ alkylaryl;
- x) $-SO_2-C_{1-6}$ alkyl;
- xi) -SO₂-C₁₋₆ alkylaryl;
- xii) -SO₂-aryl;
- xiii) -SO₂-NH-C₁₋₆ alkyl;
- xiv) -SO₂-NH-C₁₋₆ alkylaryl;

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 34 of 45

xvi)
$$-C(O)-C_{1-6}$$
 alkyl; or

R₁ is

- a) hydrogen;
- b) -C₁₋₆ alkyl;
- c) -aryl; or
- d) -C₁₋₆ alkylaryl;

R₂ is

- a) -C₁₋₆ alkyl;
- b) -aryl;
- c) -C₁₋₆ alkylaryl; or
- d) a group of the formula

$$Q_1$$
 $(CH_2)n$ $(CH_2)m$

wherein m and n are independently selected from 1, 2, 3, or 4; X is a direct bond, CH_2 -, -O-, -S-, -S(O₂)-, -C(O)-, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO₂-, -SO₂N(H)-, -C(O)-O-, -O-C(O)-, -NHSO₂NH-,

-Q₁- is C_{1-6} alkylene, C_{2-6} alkenylene, or C_{2-6} alkynylene;

R₃ is

- a) hydrogen;
- b) -C₁₋₆ alkyl;
- c) -C₁₋₆ alkylaryl; or
- d) -C₁₋₆ alkoxyaryl;; and

R₄ is

b)
$$-C_{1}-C_{6}-alkyl-O- \underbrace{\begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \end{array}}_{L-C_{1}-C_{6}-alkyl-N(alkyl)_{2}}$$

$$-C_{1}-C_{6}-alkyl-N(alkyl)_{2}$$

$$-C_{1}-C_{6}-alkyl-N(alkyl)_{2}$$

c)
$$L-C_1-C_6$$
-alkyl-N(alkyl)₂ $L-C_1-C_6$ -alkyl-N(alkyl)₂;

wherein L is $-CH_2$ -, -O-, -N(H)-, -S-, SO_2 -, -CON(H)-, -NHC(O)-, -NHCON(H)-, $-NHSO_2$ -, $-SO_2N(H)$ -, -C(O)-O-, $-NHSO_2NH$ -, -O-CO-,

 R_{36} and R_{37} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkylaryl, C_1 - C_6 alkoxy, and C_1 - C_6 alkoxyaryl;

 R_{12} and R_{13} are independently selected from the group consisting of hydrogen, C_1 - C_6 alkyl, C_1 - C_6 alkylaryl, and aryl;

 R_{40} and R_{41} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, and C_1 - C_6 alkylaryl; and

wherein

the aryl and/or alkyl group(s) in R_1 , R_2 , R_3 , R_4 , R_5 , R_6 , R_7 , R_8 , R_{12} and R_{13} may be optionally substituted 1-4 times with a substituent group, wherein said substituent group(s) or the term substituted refers to groups:

- a) -H;
- b) $-Y-C_{1-6}$ alkyl;
 - -Y-aryl;
 - -Y-C-1-6 alkylaryl;
 - -Y-C₁₋₆-alkyl-NR₁₄R₁₅;
 - -Y-C₁₋₆-alkyl-W-R₁₆;

wherein Y and W are independently selected from the group consisting of -CH₂-, -O-, -N(H), -S-, SO_2 -, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO₂-, -SO₂N(H)-, -C(O)-O-, -NHSO₂NH-, -O-CO-,

$$R_{17}$$
 R_{17} R_{17} R_{17} and R_{18} R_{18}

 R_{16} , R_{17} , and R_{18} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkylaryl, C_1 - C_6 alkoxy, and C_1 - C_6 alkoxyaryl; and

c) halogen, hydroxyl, cyano, carbamoyl, and carboxyl; and

 R_{14} and R_{15} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, and C_1 - C_6 alkylaryl; or

 R_{14} and R_{15} are taken together to form a ring having the formula $-(CH_2)_o$ -Z- $(CH_2)_p$ - bonded to the nitrogen atom to which R_{14} and R_{15} are attached, wherein o and p are, independently, 1, 2, 3, or 4; Z is a direct bond, $-CH_2$ -, -O-, -S-, $-S(O_2)$ -, -C(O)-, -CON(H)-, -NHC(O)-, -NHCON(H)-, $-NHSO_2$ -, $-SO_2N(H)$ -, -C(O)-O-, -O--C(O)-, $-NHSO_2NH$ -,

 R_{19} and R_{20} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, and C_1 - C_6 alkylaryl.

62. (Previously Presented) The compound of claim 61,

wherein

G₂ is

wherein

R₆ is

- i) -H;
- ii) -C₁₋₆ alkyl; or
- iii) -C(O)-O-C₁₋₆ alkylcycloalkylaryl;

R₁ is -H;

R₂ is

R₃ is -H; and

R₄ is

b)
$$-C_{1}-C_{6}-\text{alkyl}-O - \underbrace{ \begin{array}{c} L-C_{1}-C_{6}-\text{alkyl-N(alkyl)}_{2} \\ L-C_{1}-C_{6}-\text{alkyl-N(alkyl)}_{2} \\ \end{array}}_{cor}$$

c)
$$L-C_1-C_6$$
-alkyl-N(alkyl)₂ $L-C_1-C_6$ -alkyl-N(alkyl)₂ :

wherein L is $-CH_2$ -, -O-, -N(H)-, -S-, SO_2 -, -CON(H)-, -NHC(O)-, -NHCON(H)-, $-NHSO_2$ -, $-SO_2N(H)$ -, -C(O)-O-, $-NHSO_2NH$ -, -O-CO-,

$$R_{36}$$
 R_{36} R_{36} R_{36} $-Si-$ or R_{37}

 R_{36} and R_{37} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkylaryl, C_1 - C_6 alkoxy, and C_1 - C_6 alkoxyaryl;

and wherein

the aryl and/or alkyl group(s) in R_1 , R_2 , R_3 , R_4 , R_5 , R_6 , R_7 , R_8 , R_{12} and R_{13} may be optionally substituted 1-4 times with a substituent group, wherein said substituent group(s) or the term substituted refers to groups:

- a) -H;
- b) -Y-C₁₋₆ alkyl;

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 40 of 45

-Y-aryl;

-Y-C-1-6 alkylaryl;

-Y-C₁₋₆-alkyl-NR₁₄R₁₅;

-Y-C₁₋₆-alkyl-W-R₁₆;

wherein Y and W are independently selected from the group consisting of -CH₂-, -O-, -N(H), -S-, SO_2 -, -CON(H)-, -NHC(O)-, -NHCON(H)-, -NHSO₂-, -SO₂N(H)-, -C(O)-O-, -NHSO₂NH-, -O-CO-,

$$R_{17}$$
 R_{17} R_{17} R_{17} R_{18} R_{18} R_{18} R_{18} R_{18}

 R_{16} , R_{17} , and R_{18} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, C_1 - C_6 alkylaryl, C_1 - C_6 alkoxy, and C_1 - C_6 alkoxyaryl; and

c) halogen, hydroxyl, cyano, carbamoyl, or carboxyl; and

 R_{14} and R_{15} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, and C_1 - C_6 alkylaryl; or

 R_{14} and R_{15} are taken together to form a ring having the formula $-(CH_2)_0$ -Z- $(CH_2)_p$ - bonded to the nitrogen atom to which R_{14} and R_{15} are attached, wherein o and p are, independently, 1, 2, 3, or 4; Z is a direct bond, $-CH_2$ -, -O-, -S-, $-S(O_2)$ -, -C(O)-, -CON(H)-, -NHC(O)-, -NHCON(H)-, $-NHSO_2$ -, $-SO_2N(H)$ -, -C(O)-O-, -O-C(O)-, $-NHSO_2NH$ -,

Express Mail Cert. No. EV 507590040 US Office Action Response Serial No. 10/091,759 Page 41 of 45

 R_{19} and R_{20} are independently selected from the group consisting of hydrogen, aryl, C_1 - C_6 alkyl, and C_1 - C_6 alkylaryl.